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R¹.S i Z_a

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TITLE : SEALING MATERIAL COMPOSITION
FOR THREADED JOINT

ABSTRACT : PURPOSE: To obtain the subject composition effective in preventing the galling of threaded joint and improving the sealability of the thread in unscrewing by compounding an α , ω -dihydroxydiorganopolysiloxane, a specific resin powder and a crosslinking agent at specific ratios.

CONSTITUTION: The objective composition contains (A) 100 pts. wt. of an α , ω -dihydroxydiorganopolysiloxane, (B) 5-300 pts. wt. of resin powder having a melting point of $\leq 150^{\circ}\text{C}$ and an average particle diameter of 5-100 μm (e.g. powder of PE, PP or nylon) and (C) 0.5-30 pts. wt. of a silane of formula (R¹ is univalent hydrocarbon group; Z is hydrolyzable group; a is integer of 0-2) or its partially hydrolyzed and condensed product. As necessary, the composition is compounded with a filler (e.g. carbon black) or a crosslinking catalyst.

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